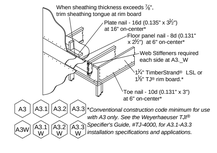
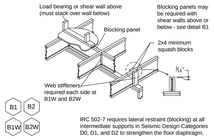
Structural Framer's Pocket Guide.
Access with your Smart Phone.
www.ilevel.com/literature/tj-9001.pdf

THINK SAFETY - READ INSTALLATION INFORMATION BEFORE PROCEEDING

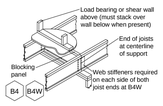
Have a damaged joist or beam?
File an electronic damage report for prompt service from your regional technical office. Scan the QR Code with your smartphone or go to: *www.damagereport.ilevel.com*

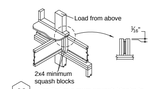


Conventional construction code minimum for use with A3 only. See the Weyerhaeuser TJI® Specifier's Guide, #TJ-4000, for A3.1-A3.3 installation specifications and applications.

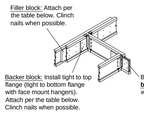


IRC 502-7 requires lateral restraint (blocking) at all intermediate supports in Seismic Design Categories D0, D1, and D2 to strengthen the floor diaphragm.





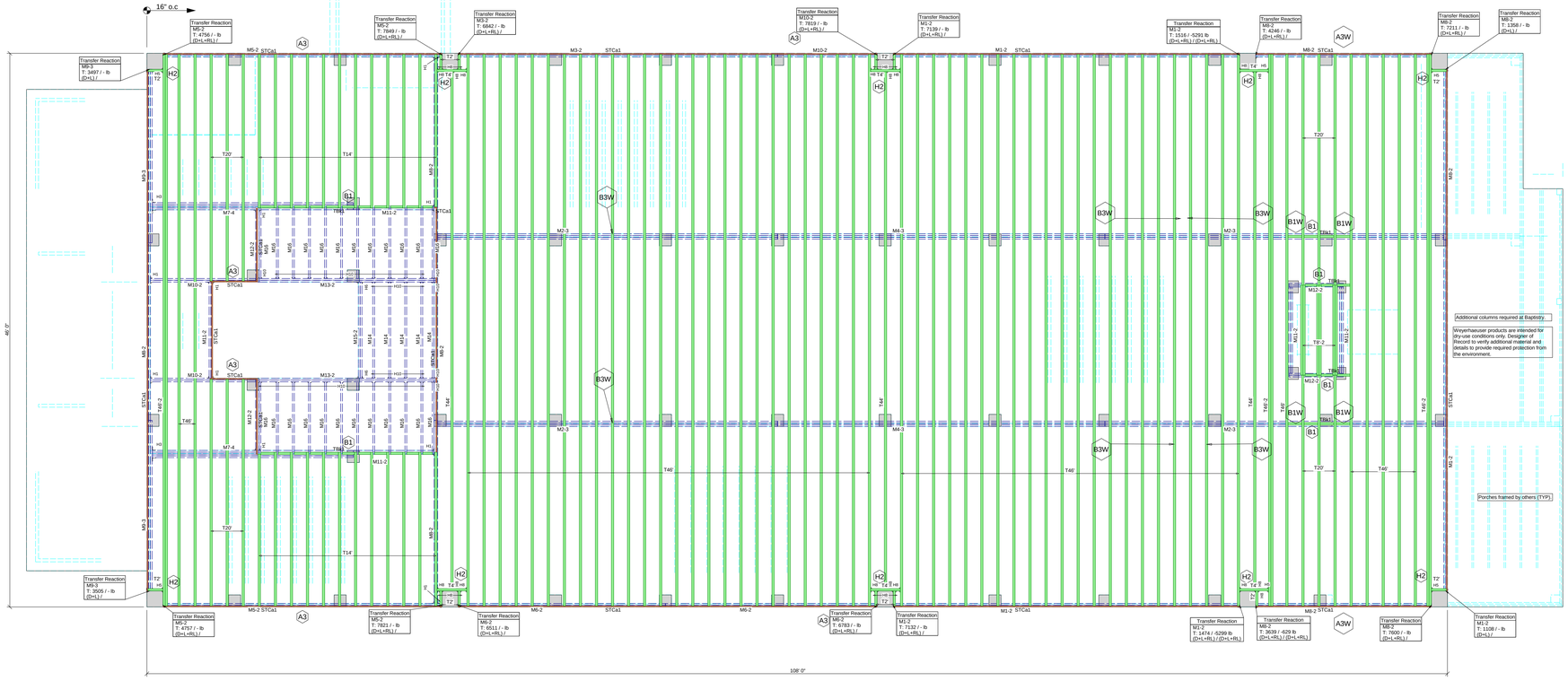
Use 2x4 minimum squash blocks to transfer load around TJI® joist



TJI® Depth, D	TJI® Flange Width	Block Type	Nail Size	Nail Quantity
9½" <D≤16"	less than 3½"	Filler	10d(0.128" x 3")	10(1)
		Backer	10d(0.128" x 3")	10(1)
	3½"	Filler	16d(0.135" x 3½")	10(1) - each side
		Backer	10d(0.128" x 3")	10(1)
16" <D≤20"	less than 3½"	Filler	10d(0.128" x 3")	15
		Backer	10d(0.128" x 3")	15
	3½"	Filler	16d(0.135" x 3½")	15 - each side
		Backer	10d(0.128" x 3")	15
20" <D≤24"	3½"	Filler	16d(0.135" x 3½")	25 - each side
		Backer	10d(0.128" x 3")	15

(1) 15 for multi-family applications

H2 ***With top mount hangers, backer block required only for downward loads exceeding 250 lbs or for uplift conditions.***



Additional columns required at Baptistry.

Weyerhaeuser products are intended for dry-use conditions only. Designer of Record to verify additional material and details to provide required protection from the environment.

Porches framed by others (TYP.)

Connections of beams to 16" concrete columns by others. See reactions called out.

Roof is a truss roof system with all roof loads being transferred to exterior walls. No roof loads have been applied to the interior for the design of this structure. Verify roof truss system prior to construction.

Framing-Connector Summary					
PlotID	Qty	Manuf	Product	Backer Blks	Web Stiff
H1	10	Simpson	HGUS414	No	No
H3	2	Simpson	HGUTJ2.25 (H1+13)	No	No
H5	6	Simpson	IUS2.37/16	1	No
H6	2	Simpson	LUS48	No	No
H8	25	Simpson	IUS2.37/16	2	No
H10	32	Simpson	MIU1.81/9	No	No

Products				
PlotID	Length	Product	Plies	Net Qty
T46'-2	46' 0"	16" TJI® 360	2	6
T46'	46' 0"	16" TJI® 360	1	56
T44'	44' 0"	16" TJI® 360	1	3
T8k1	36' 9 5/8"	16" TJI® 360	1	1
T20'	20' 0"	16" TJI® 360	1	12
T14'	14' 0"	16" TJI® 360	1	24
T8'-2	8' 0"	16" TJI® 360	2	6
T4'	4' 0"	16" TJI® 360	1	6
T2'	2' 0"	16" TJI® 360	1	13
M2-3	30' 0"	1 3/4" x 16" 1.9E Microllam® LVL	3	12
M1-2	30' 0"	1 3/4" x 16" 1.9E Microllam® LVL	2	6
M4-3	28' 0"	1 3/4" x 16" 1.9E Microllam® LVL	3	6
M3-2	28' 0"	1 3/4" x 16" 1.9E Microllam® LVL	2	2
M5-2	24' 0"	1 3/4" x 16" 1.9E Microllam® LVL	2	4
M7-4	18' 0"	1 3/4" x 16" 1.9E Microllam® LVL	4	8
M6-2	18' 0"	1 3/4" x 16" 1.9E Microllam® LVL	2	4
M9-3	16' 0"	1 3/4" x 16" 1.9E Microllam® LVL	3	6
M8-2	16' 0"	1 3/4" x 16" 1.9E Microllam® LVL	2	14
M10-2	10' 0"	1 3/4" x 16" 1.9E Microllam® LVL	2	6
M11-2	8' 0"	1 3/4" x 16" 1.9E Microllam® LVL	2	10
M12-2	6' 0"	1 3/4" x 16" 1.9E Microllam® LVL	2	8
M13-2	16' 0"	1 3/4" x 9 1/4" 1.9E Microllam® LVL	2	4
M15-2	8' 0"	1 3/4" x 9 1/4" 1.9E Microllam® LVL	2	2
M14	8' 0"	1 3/4" x 9 1/4" 1.9E Microllam® LVL	1	5
M16	6' 0"	1 3/4" x 9 1/4" 1.9E Microllam® LVL	1	24
STCa1	16' 0"	1 1/8" x 16" iLevel® Rim Board	1	22

Accessories				
PlotID	Length	Product	Plies	Net Qty
	2' 0"	2x8 + 1/2" plywood Filler Blocks	1	6
	2' 5 5/8"	1" net Backer Blocks	1	4
	2' 4 1/16"	1" net Backer Blocks	1	4
	1' 2 1/16"	1" net Backer Blocks	1	2
	1' 1 1/4"	7/8" x 2 5/16" Web Stiffeners	1	72
	1' 0"	1" net Backer Blocks	1	28
		23/32"x48"x96" iLevel® Edge Gold Panel (D24) T&G SF	1	166

LEVEL NOTES	
Current Date:	11/5/2012
File Name:	SR-186780.jxl
Level Name:	1st Floor
TJ-Pro Rating (Weighted Average):	61
Minimum Level TJ - Pro Rating & Joist:	TJ-Pro rating = 61, joist = T46'(0482)
Maximum Level TJ - Pro Rating & Joist:	TJ-Pro rating = 73, joist = T8'-2(03329)
Building Code - Design Methodology:	IBC 2009
Floor Combiner:	FC1
Floor Area Loading is:	100 Live Load & 25 Dead Load
Maximum Allowed Deflection:	L/480 Live Load & L/240 Total Load
TJ-Pro Rating Information:	
Weighted Average:	61
Directly Applied Ceiling:	Gypsum 1/2"
Decking Attachment:	GlueAndNail
Frameworks Floor:	No
Decking Material:	23/32"x48"x96" iLevel® Edge Gold Panel (D24) T&G SF
Perpendicular Partition:	No
Strapping:	None
Blocking:	No
Poured Flooring:	No

WARNING

Joists are unstable until braced laterally

Bracing Includes:

- Blocking
- Hangers
- Sheathing
- Rim Board
- Strut Lines
- Rim Joist

DO NOT walk on joists until braced. INJURY MAY RESULT.

DO NOT walk on joists that are lying flat.

DO NOT stack building materials on unsheathed joists. Stack only over beams or walls.

WARNING NOTES:

Lack of proper bracing during construction can result in serious accidents. Observe the following guidelines:

1. All blocking, hangers, rim boards and rim joists at the end supports of the TJI® joists must be completely installed and properly nailed.
2. Lateral strength, like braced end wall or an existing deck, must be established at the ends of the bay. This can also be accomplished by a temporary or permanent deck (sheathing) fastened to the first 4 feet of joists at the end of the bay.
3. Safety bracing of 1x4 (minimum) must be nailed to a braced end wall or sheathed area (as in note 2) and to each joist. Without this bracing, buckling sideways or rollover is highly probable under light construction loads - such as a worker or one layer of unnailed sheathing.
4. Sheathing must be completely attached to each TJI® joist before additional loads can be placed on the system.
5. Ends of cantilevers require safety bracing on both the top and bottom flanges.
6. The flanges must remain straight within 1/2" from true alignment.

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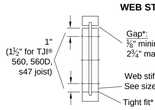
WEB STIFFENER ATTACHMENT



* With point load from above, install web stiffener tight to top flange (gap at bottom flange) when there is no support below.

TJI Joist Series	Depth (in.)	Minimum Web Stiffener Size	Nailing Requirements: Type	Number Nails: End	Number Nails: Intermediate
110 210 230 & 360 s31 & s33	All All All All	⅝" x 2 5/16" ¾" x 2 5/16" ⅞" x 2 5/16" 1" x 2 5/16"	8d (0.113" x 2½")	3	3
560 & s47	All	2x4	16d (0.135" x 3½")		
560D	18" 20" 22" 24"	2x4	16d (0.135" x 3½")	4 5 6 6	4 5 11 13

W

First Floor Framing Plan

Scale: 3/16" = 1'-0"

A COMPLETE JAVELIN® LAYOUT INCLUDES THE iLEVEL® FRAMER'S POCKET GUIDE.

Only header openings and roof loads which affect Weyerhaeuser product sizes have been denoted on this layout. In addition to any **'CS'** detail callouts shown, solid blocking and/or squash blocks are required to provide vertical load transfer from all concentrated load locations to foundation below. See Pocket Framer's Guide for appropriate detail(s).

SYMBOL LEGEND

- XX" — Bearing Length Requirement
- Line Load
- Point Load
- Area Load
- BBO — Member By Others
- CBO — Closure By Others
- ULA — Under Load Above
- Toilet/Shower Plumbing Drop
- Tub Plumbing Drop
- Walls Above
- XX — Detail Callout Label

Weyerhaeuser

Specification Team
service.request@weyerhaeuser.com
(888) 453-8358 . . . . . www.woodbywy.com

Weyerhaeuser prepared these placement plans for the specification of Trus Joist products based on project information provided to us. This service is solely intended for product application assurance, and is not intended to circumvent the services of a registered professional engineer. The designer of record and/or builder/framer is responsible to assure these drawings are compatible with the overall project.

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Bay St.Louis, MS

Drawn By: James B.
Original Date: 11/5/12

Rev.	By	Date	Comments

R12-159811
SR-186780
Sheet 1 of 1